G. LEACHMAN.

PORTABLE DARK CABINET.

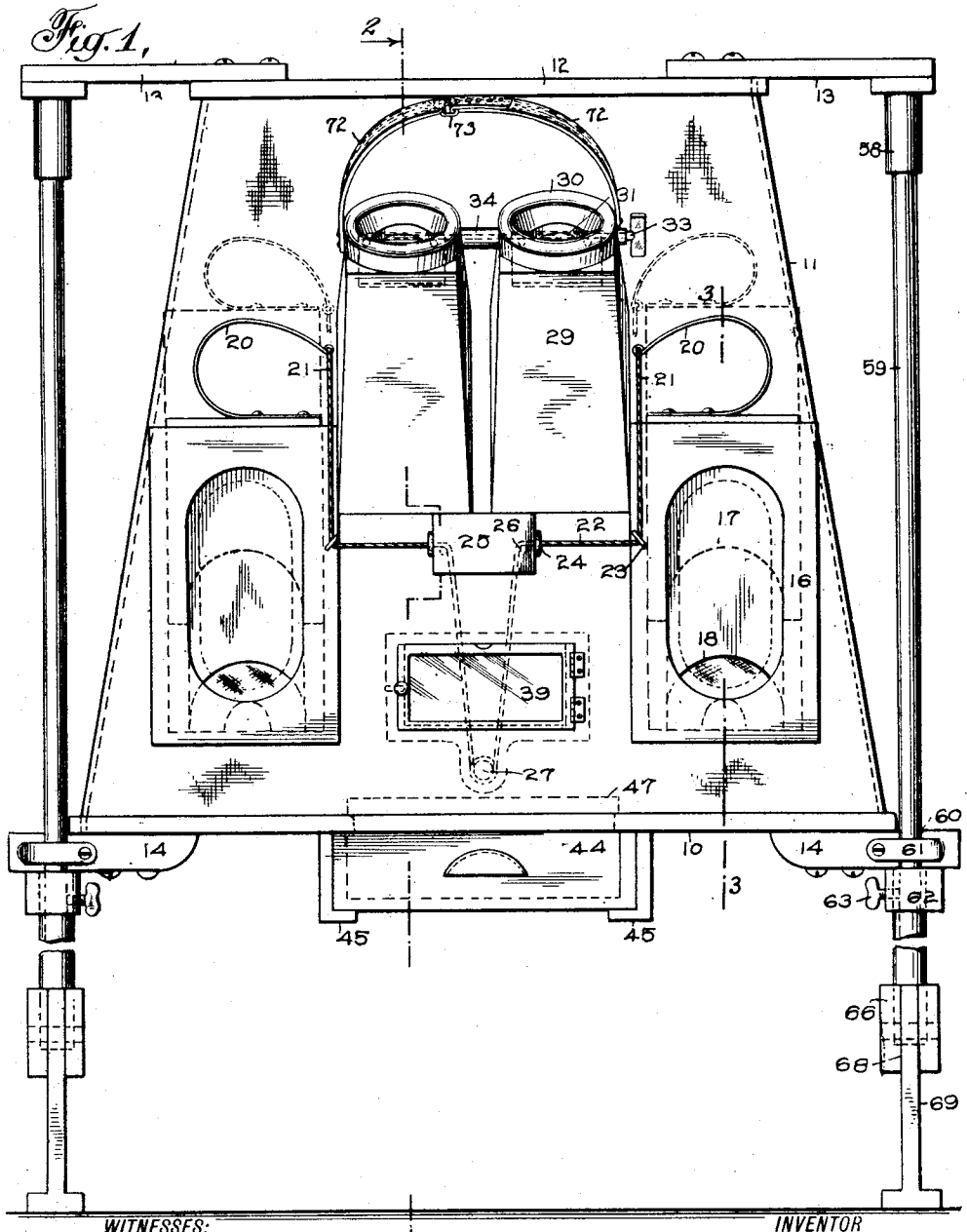
APPLICATION FILED MAY 10, 1915.

1,208,586.

Patented Dec. 12, 1916.

2 SHEETS—SHEET 1.

Fig. 1,



WITNESSES:

L. Hauerstein

P. B. Marshall

INVENTOR

George Leachman

BY Munn & Co

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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2 SHEETS—SHEET 2.

Fig. 2,

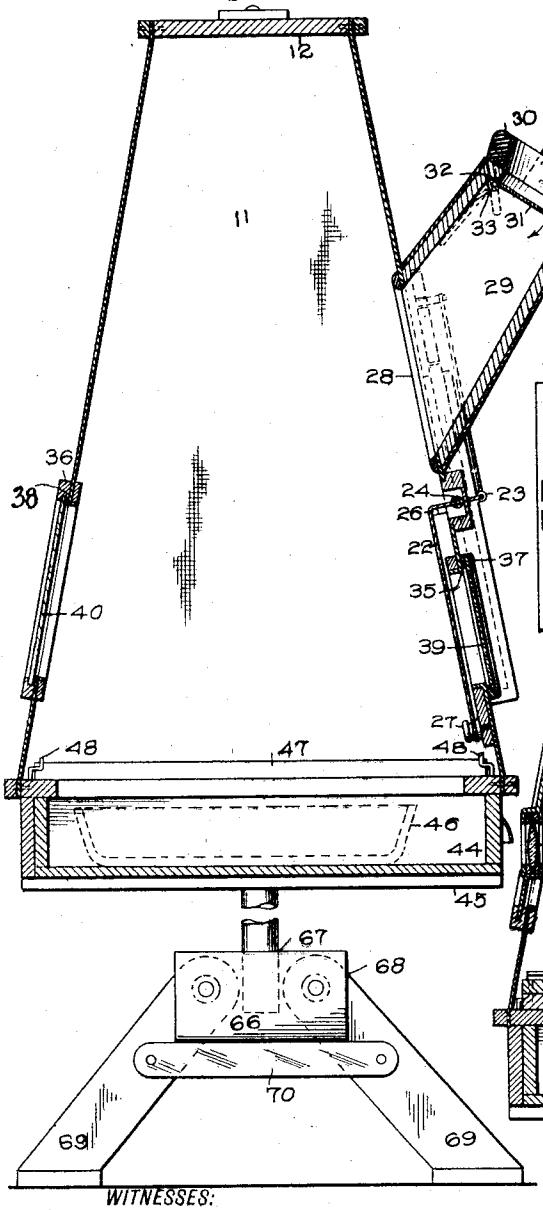


Fig. 3,

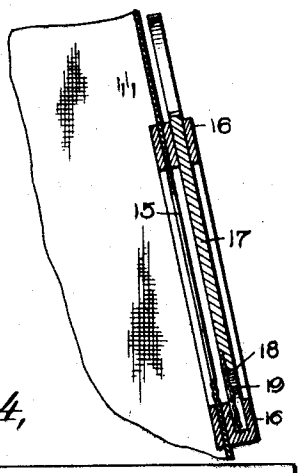


Fig. 4,

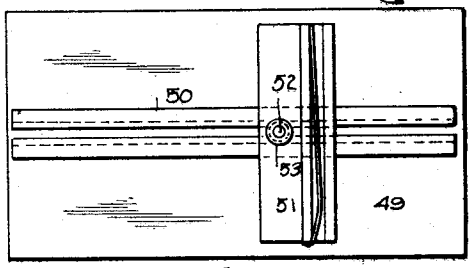
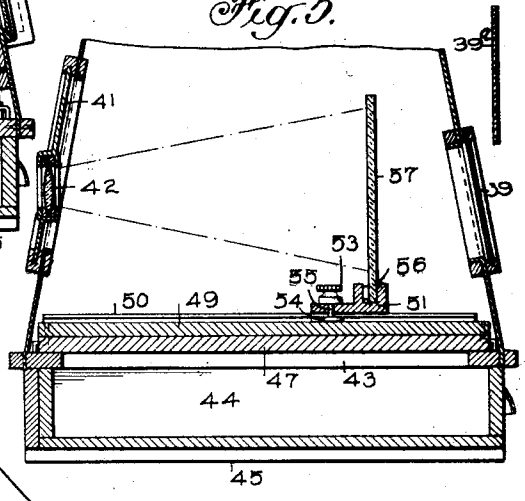


Fig. 5.



WITNESSES:

L. Hauerstein

E. B. Marshall

INVENTOR

George Leachman

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ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE LEACHMAN, OF NEW CUMBERLAND, WEST VIRGINIA.

PORTABLE DARK CABINET.

1,208,586. Specification of Letters Patent. Patented Dec. 12, 1916.

Application filed May 10, 1915. Serial No. 27,059.

To all whom it may concern:

Be it known that I, GEORGE LEACHMAN, a citizen of the United States, and a resident of New Cumberland, in the county of Hancock and State of West Virginia, have invented a new and Improved Portable Dark Cabinet, of which the following is a full, clear, and exact description.

My invention has for its object to provide a portable dark cabinet having a table around which a flexible member is secured, the flexible member being normally supported above the table and having two openings which are normally closed by ruby glass. It is possible to substitute plates for the ruby glass, in one of which a lens may be mounted so that the cabinet may be used as a camera.

Another object of the invention is to provide the flexible member with observation tubes, through which the operator may watch the work which he is doing in the cabinet, and in addition to provide two hand openings which have slides which may be held yieldingly against the operator's arms by means operable from within the cabinet.

Other objects of the invention are to provide a knock-down frame for supporting the flexible member and the table and to provide a drawer for sliding in guideways below the table, it being possible to reach the contents of the drawer through the opening in the table.

Additional objects of the invention will appear in the following specification in which the preferred form of my invention is disclosed.

In the drawings similar reference characters refer to similar parts in all the views in which—

Figure 1 is a front elevation showing my invention; Fig. 2 is a sectional view on the line 2—2 of Fig. 1; Fig. 3 is a sectional view on the line 3—3 of Fig. 1; Fig. 4 is a plan view showing the guideway and the guide for carrying the photographic plate; and Fig. 5 is a fragmentary sectional view showing the guideway and the guide supporting the photographic plate, and with a lens mounted in one of the openings in the flexible member so that the device may be used as a camera.

By referring to the drawings it will be seen that a table 10 is provided, around which there is secured a flexible member 11, four sides of this flexible member converging slightly upwardly to a rigid top member 12, cleats 13 being secured, one to each side of this top member 12, these cleats 13 as well as the cleats 14 secured to the table 10, being supported in a manner which will shortly be described.

In the front of the flexible member 11 there are two openings 15 around which guideways 16 are secured, slides 17 being provided for moving in these guideways 16, the said slides 17 having their lower ends 18 concave and with cloth or some other flexible member 19 depending from the said concave portions of the lower ends 18. These slides 17 which may be closed are provided for the insertion of the operator's hands, the slides 17 moving downwardly against the arms of the operator to prevent light from reaching the interior of the flexible member 11 around the operator's arms, the cloth or flexible members 19 assisting greatly in preventing the entrance of light into the interior of the flexible member 11.

As will be seen by referring to Fig. 1 of the drawings, springs 20 are secured to the tops of the slides 17, and terminals 21 on a cord 22, are secured to these springs 20, the cord 22 passing through rings 23 at the side of the guideways 16, thence through orifices 24 in the stiffened extending portion 25 of the member 11, the cord 22 then extending downwardly over the members 26, so that it is possible to loop the cord 22 over a button 27 disposed adjacent the front of the table 10. It will be understood that the operator may insert his hands through the openings 15 after which he may draw down the cord 22 within the flexible member 11 so that it may be looped over the button 27 to hold the slides 17 yieldingly downward and to prevent light from entering into the interior of the flexible member 11 around his arms. Above the stiffened projecting member 25 there are two openings 28, and to the flexible member 11 around these openings 28 there are secured two observation tubes 29. I prefer to provide the outer ends of these observation tubes 29 with soft rings 30 so that the operator may, when looking through the observation tubes 29, press the soft rings 30 around his eyes to prevent light from entering the observation tubes 29. When not making use of the observation tubes 29, they may be closed by the shutters 31 which are pivoted at 32 to a shank 33, the said shank 33 being disposed

through the bearing portions 32 of the shutters 31 and extending through a sleeve 34 which connects the ends of the two observation tubes 29.

In the front of the flexible member 11 there is an opening 35 and in the rear of the flexible member 11 there is an opening 36, there being a guideway 37 secured to the flexible member 11 around the opening 35, and a guideway 38 secured to the flexible member 11 around the opening 36. A ruby glass 39 may be slid into the guideway 37 through which the operator may look when desired, but when the device is used as a camera the ruby glass 39 may be removed and the ground glass 39ª may be substituted for the plate 57 so that the camera may be focused, and when this has been done the ground glass is removed, the ruby glass 39 is replaced, and the photographic or sensitive plate 57 is disposed in position. In the guideway 38 there may be introduced a ruby glass 40, but when the device is to be used as a camera, this ruby glass is slid out and in place thereof there is introduced a plate 41 in which a lens 42 is mounted.

There is an opening 43 in the bottom of the table and below this opening 43 there is normally disposed a drawer 44 which slides in the guideways 45; this drawer 44 may be employed to introduce a dish 46 with a bath or other liquid to be used as desired. When the operator does not wish to use the drawer 44, it may be covered by a lid 47 which, when the drawer 44 is in use may be disposed on the table 10 at either side of the opening 43. This lid 47 may be held in place over the opening 43 or on the table 10 at either side of the opening 43, by means of retainers 48 pivoted in the bottom of a table, these retainers 48 also serving to hold the board 49 in place which supports the guideway 50 in which the guide 51 travels. It is possible to hold the guide 51 in a predetermined position relatively to the guideway 50 by a screw 52 with which meshes a milled nut 53, the head 54 of the screw 52 moving in the guideway 50 and being disposed through an orifice 55 in the guide 51, the nut 53 pressing against the guide 51 to hold it in a predetermined position. This guide 51 has a slot 56 in which a photographic plate 57 may be mounted, it being possible to obtain the desired focus by the movement of the guide 51 in the guideway 50.

The cleats 13 are provided with depending sockets 58 in which the upper ends of the standards 59 are disposed, these standards 59 extending in grooves 60 in the cleats 14, the standards 59 being held in the said grooves 60 by the resilient catches 61 which are mounted on the cleats 14. Disposed below the cleats 14 and mounted on the standards 59 there are collars 62 which are held in adjusted position relatively to the standards 59 and the set screws 63, these collars 62 supporting the cleats 14. The lower ends of the standards 59 are disposed in sockets 67 in blocks 66, there being slots 68 extending through the sides and through the top of the said blocks 66 so that the legs 69 which are pivoted in the slots 68 may be raised upwardly against each other when the standards 59 are removed from the sockets 67 in the blocks 66. These legs 69 normally diverge downwardly as illustrated in Fig. 2 of the drawings and they are held relatively to each other by tie members 70.

Straps 72 are secured to the observation tubes 29 and may be disposed around the head of the operator and be held together by means of a buckle 73, thereby holding the observation tubes close around the eyes of the operator.

It will be understood that when the sockets 58 and the cleats 14 are freed from the standards 59, the flexible member 11 may be pressed against the table 10 and the portable dark room may be packed in a small space.

Having thus described my invention I claim as new and desire to secure by Letters Patent:

1. In a portable dark cabinet, a table, a flexible inclosing member secured around the table, there being two openings in the flexible member, slides for partially closing the openings, springs secured to the slides, and a cord disposed within the flexible member and having terminals secured to the springs for the purpose specified.

2. In a portable dark cabinet, a table, a flexible inclosing member secured around the table, there being two openings in the flexible member, slides for partially closing the openings, a cord disposed within the flexible member and having terminals, means connecting the terminals one with each slide, and a button within the flexible inclosing member around which the cord between its terminals may be disposed for holding the slides in predetermined positions.

3. In a portable dark cabinet, a table, a flexible inclosing member secured around the table, there being two openings in the flexible member, slides for partially closing the openings, springs secured to the slides, a cord disposed within the flexible member and having terminals, one secured to each spring, and a button within the flexible inclosing member around which the cord between its terminals may be disposed for holding the slides in predetermined positions.

4. In a portable dark cabinet, a table, a flexible member secured around the table, means for supporting the flexible member, there being an opening at the front and another at the back of the flexible member, a

lens in one of the openings, means for detachably supporting a plate in the other opening, means for closing the opening in which the lens is normally disposed, a guideway on the table extending between the openings, there being one or more additional openings in the flexible member, a slide or slides for partially closing the said additional openings, and means within the flexible member for operating the slide or slides.

5. In a portable dark cabinet, a table, a flexible member secured around the table, two sockets, one secured at each side of the top of the flexible member, two standards with their upper ends disposed in the sockets, cleats having recesses, secured to the table, the standards being normally disposed in the recesses, collars adjustably mounted on the standards, means for securing the collars to the standards in adjusted position, there being vertically extending threaded orifices in the collars, screws in the threaded orifices engaging the cleats for raising the latter as desired, blocks having sockets in which the lower ends of the standards are disposed, slots extending through the top and the sides of the blocks, legs pivoted in the slots and tie members for connecting the legs below the blocks when the legs diverge downwardly from the blocks.

6. In a portable dark cabinet, a table, a flexible member, secured around the table, two sockets, one secured at each side of the top of the flexible member, two standards with their upper ends disposed in the sockets, cleats having recesses secured to the table, the standards being normally disposed in the recesses, collars adjustably mounted on the standards, means for securing the collars to the standards in adjusted position, there being vertically extending threaded orifices in the collars, and screws in the threaded orifices engaging the cleats for raising the latter as desired.

7. In a portable dark cabinet, a table, a flexible member secured around the table, two standards, means by which the standards are adapted for supporting the flexible member and the table, blocks having sockets in which the lower ends of the standards are normally disposed, slots extending through the top and the sides of the blocks, legs pivoted in the slots and a tie member for connecting the legs below the blocks when the legs diverge downwardly from the blocks.

In testimony whereof I have signed my name to this specification in the presence of the subscribing witnesses.

GEORGE LEACHMAN.

Witnesses:
J. A. McKENZIE,
E. A. HART,
G. L. BAMBRICK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."